

MATERIAL SAFETY DATA SHEET

Oosafe® Laboratory Surface Disinfectant



Revised version: EN-BIO-MSDS-DSF-28.01.2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Oosafe® Laboratory Surface Disinfectant;
Product number: OODSF-0050; OODSF-02000; OODSF-10000;

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product group: Disinfectant for surfaces;
Product type 2: Private area and public health area disinfectants and other public health area biocidal products especially suited for IVF laboratories;
Relevant identified applications: For disinfection and cleaning of laboratory surfaces. Especially is suitable for IVF laboratories. Only for professional use.

1.3. Details of the supplier of the safety data sheet

Sparmed Aps
Ryttermarken 2, DK-3520, Farum, Denmark

1.4. Emergency telephone number Danish Poison Line.: **+45 82 12 12 12**
Additional information: Tel. +45 39 40 25 03

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Pictogram:



GHS09

Signal word: Attention

Hazard statements:

H410: Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P102: Keep out of the reach of children.

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P273: Avoid release to the environment

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/ attention

2.3. Other hazards No information available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Active Ingredients

Concentration of the following component in the mixture: < 7%

Name	Cas-No.	EC-No./Reg.No.	Classification	Concentration
N,N-didecyl-N-methyl-poly(oxethyl)ammonium propionate	94667-33-1	619-057-3	Acute Tox.; 4; H302 Skin Corr.; 1B; H314 Aquatic Acute; 1; H400 Aquatic Chronic; 1; H410 C, N; R22, R34, R50/53	Ca. 70%

For the full text of the H-Statements mentioned in this Section, see Section 16.

For the full text of the R-Phrases mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice: No special measures required.

Inhalation: Supply fresh air; consult doctor in case of complaints.

Skin contact: Generally, the product is not irritating for the skin. Consult the doctor in case of complaints.

Eye contact: Rinse open eye for 10min under running water. Force to open eyelids. Consult a doctor if irritation persists.

Ingestion: Call a physician immediately. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

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Treatment: No information available.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Dry powder, water spray, foam.

5.2. Special hazards arising from the substance or mixture

Heating or fire can release toxic gas.

5.3. Advice for fire-fighters

Special protective equipment for fire fighters: In the event of fire, wear self-contained breathing apparatus.

Additional information: Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Not required

6.2. Environmental precautions

Dilute with plenty of water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4. Additional information

No dangerous substances are released.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling: Avoid contact with eyes. Provide enough air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion: No special measures required

7.2. Conditions for safe storage, including any incompatibilities

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Requirements for storage areas and containers:	Keep containers tightly closed. To maintain product quality, do not store in heat or direct sunlight but keep in a dry and cool place. Appropriate container material – plastic.
Information for combined storage:	Not required
Further information on storage conditions:	Keep away from heat and direct sunlight.

7.3. Specific end use(s)

Specific use(s): No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure:	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information:	The lists that were valid during the compilation were used as basis.

8.2. Exposure controls

Personal protective equipment

General protective and hygienic measures:	The general rules and precautionary measures for handling chemicals should be observed. Avoid contact with eyes. Wash hands before breaks and after work.
Respiratory protection:	Not required.
Hand protection:	Not required.
Eye protection:	Not required but recommended when handling the concentrate.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	slightly yellow
Odour:	Slightly aromatic
Melting point/Melting range:	undetermined
Boiling point/Boiling range:	approx. 100°C
Flash point:	not applicable
Auto-flammability:	not auto-flammable

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Danger of explosion:	product does not present an explosion hazard
Viscosity, dynamic:	approx. 5 mPa.s (20 °C)
Density:	approx. 1g/cm ³ (20 °C)
pH	5.5 - 7.0 (6,3 mg/g ; 20 °C)
Solubility in/ Miscibility with water	completely miscible

9.1. Other information

No data available.

SECTION 10: Stability and reactivity

<u>10.1. Reactivity</u>	Stable under normal storage conditions.
<u>10.2. Chemical stability</u>	Stable under normal conditions.
<u>10.3. Possibility of hazardous reactions</u>	No hazardous reactions known.
<u>10.4. Conditions to avoid</u>	No decomposition if used according to specifications.
<u>10.5 Incompatible materials</u>	No incompatible materials known.
<u>10.6 Hazardous decomposition products</u>	No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

The following toxicological data refers to the **mixture**

Primary irritant effect

Skin irritation:	No irritant effect
Eye irritation:	Can cause irritation of the eyes
Sensitization:	No sensitizing effect known.

Additional Toxicological information:

In accordance with the calculation method undertaken by the EU Preparations Directive (1272/2008/EC), this product is associated with the following risks: Attention.

The product is a preparation for which there are no experimentally determined toxicity data.

The following toxicological data refers to **the active ingredient at 70% concentration**

Acute oral toxicity (LD50):	1157 mg/kg Species: rat Method: OECD Test Guideline 401
Skin irritation:	irritating Species: rabbit

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	Exposure time: 4 h Method: OECD Test Guideline 404
Eye irritation:	severe irritant Species: rabbit Method: OECD Test Guideline 405
Repeated dose toxicity:	NOAEL: 391 mg/kg Application Route: Dietary Exposure time: 90 d Species: Rat Method: OECD Test Guideline 408
Genotoxicity in vitro:	negative Ames test, Salmonella typhimurium Method: OECD Test Guideline 471 negative Ames test, Escherichia coli Method: OECD Test Guideline 472 negative Gene mutation, mouse lymphoma cells Method: OECD Test Guideline 476 negative Chromosome aberration test in vitro, Human lymphocytes Method: OECD Test Guideline 473
Genotoxicity in vivo:	negative Chromosome aberration test in vivo Species: Rat Method: OECD Test Guideline 475

SECTION 12: Ecological information

12.1. Toxicity

Toxicity to fish: No data available.

12.2. Persistence and degradability

Biodegradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulation: No data available.

12.4. Mobility in soil

Behaviour in environmental compartments: No data available.

12.5. Results of PBT and vPvB assessment

Assessment: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).

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This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

12.6. Other adverse effects

Additional advice: No data available.

The following ecotoxicological data refer to the active ingredient at 70% concentration and NOT to the mixture:

N,N-Didecyl-N-methyl-poly(oxyethyl)ammonium propionate (CAS-No.: 94667-33-1)

Toxicity

Toxicity to fish (LC50):	0,78 mg/l Species: Danio rerio (zebra fish) Acute toxicity Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to fish (LC50):	0,63 mg/l Species: Cyprinus carpio (Carp) Acute toxicity Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to fish (LC50):	0,52 mg/l Species: Lepomis macrochirus (Bluegill sunfish) Acute toxicity Exposure time: 96 h Method: US-EPA
Toxicity to daphnia and other aquatic invertebrates:	0,07 mg/l Species: Daphnia magna (Water flea) Immobilization Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae (EbC50):	0,15 mg/l Species: Desmodesmus subspicatus (green algae) Growth inhibition Exposure time: 72 h Method: OECD Test Guideline 201
M-Factor (Acute aquatic toxicity):	10
M-Factor (Chronic aquatic toxicity):	10
Toxicity to bacteria	16,8 mg/l Species: activated sludge Respiration inhibition Exposure time: 3 h Method: OECD Test Guideline 209

Persistence and degradability

Biodegradability
Zahn-Wellens Test: 80 %
Biodegradable
Testing period: 28 d

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Method: OECD Test Guideline 302B

Modified Sturm Test: 34 %
Not readily biodegradable.
Testing period: 29 d
Method: OECD Test Guideline 301B

Other adverse effects

Additional advice

no data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product and/or contaminated packaging:

P501 Partially empty or empty container/packaging should be rinsed with plenty of water and can be disposed of together with household waste or brought to a recycling collection point.

Recommended cleaning agent: Water, if necessary with the addition of detergent.

SECTION 14: Transport information

IATA/IMDG/ADR/RID/DOT/TDG

14.1. UN number Not applicable.

14.2. Proper shipping name Not applicable.

14.3. Transport hazard class Not applicable.

14.4. Packing group Not applicable.

14.5. Environmental hazards No.

14.6. Special precautions for the user None.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008

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National legislation

Water Hazard class 1 – hazardous to water

15.2. Chemical safety assessment

Not required.

SECTION 16: Other information

Full text of H-Statements

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Full test of R-Phrases

R22	Harmful if swallowed.
R34	Causes burns.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication, however they are no assurance of product properties and do not justify a contractual legal relationship. This version replaces all previous versions. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information cannot be transferred to other products. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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